

Amendments to the Specification:

Please replace the entire written description with the following:

FIELD OF THE INVENTION

The present invention relates to a straw set, and more particularly to a straw set having a ventilating structure thereon to balance ~~of the~~ inner pressure and outer pressure of a baby bottle to keep sustain a nipple ~~up at any time in an upward position.~~

BACKGROUND OF THE INVENTION

~~Depending on Due to the modern improvement improvements of infant nutritional evaporated milk, an infants is not only having breast-feeding needs to be breast-fed, but also needed needs the infant nutritional evaporated milk to enrich the nutrient of a assist in the infant's growth. TUsually, the common way of using evaporated milk is through bottle-feeding, i.e. put place proper quantity of evaporated milk into one a bottle with warm water, and then insert one a nipple into the a sealing-ring, and seal the sealing-ring to a an opening of the bottle to fix the nipple on the opening of the bottle. After When one shaking shakes the bottle, the evaporated milk is dissolved dissolves in warm water, and a becomes ready for an infant sucks to suck milk from through a drawing hole of on the nipple. Because the nipple covers the opening of the bottle, the only path to the inner part inside of the bottle contacts with the outer world is through the drawing hole. When an infant sucks milk, he/she also draws out the air inside the bottle, is also being drawn out. Therefore Consequently, the air pressure in the bottle decreases accordingly. As When the outer air pressure is far higher becomes much greater than the one pressure in the bottle, the air inner pressure in the bottle is not high enough no longer sufficient to keep flatten the nipple up standing upwards for the infant to be sucked suck continuously. An The infant has to repeatedly open his/her mouth to make allow outer air to come in the bottle through the drawing hole in order to make keep the air pressure inside the bottle high enough to keep flatten nipple up, and then puts the nipple to an infant's mouth to make him/her suck in order to suck out more milk. Above The above processes must be repeated until an the infant finishes sucking all the milk. Therefore, adults have to give an infant a hand continuously to feed~~

him/her. And it is a very inconvenient thing. Such interruptions are distracting to the infant and inconvenient for adults, who have to give the infant a constant hand in feeding.

SUMMARY OF THE INVENTION

A primary object of the present invention is to provide a straw set with a ventilating structure, which ~~makes guides~~ the air outside the bottle ~~pass to the~~ inside and ~~maintain~~ ~~maintains~~ the air pressure inside the bottle ~~as equal with to the~~ one outside to keep a nipple from being ~~flatten flattening~~.

Another object of the present invention is to provide a nipple with a ~~an~~ air-guiding structure, which has a circular air guiding trench to guide outer air ~~thought through~~ an air-hole to the inside of the bottle inside to equivalent balance the air pressure outside ~~to and the one~~ pressure inside.

Still another object of the present invention is to provide a straw base with an outer ~~circle~~ ~~circular wall~~, an inner circular wall, and a ~~solid~~ hollow pipe, ~~which whereupon~~ a nipple is placed on the outer ~~circle~~ ~~circular wall~~ and ~~fixed sealed~~ by the inner circular wall to make milk flow through the ~~solid~~ hollow pipe into the nipple to let an infant suck.

Still another object of the present invention is to provide a soft plastic ~~circle~~ ~~circular base~~ with a ~~through~~ hole, an air guiding trench, and an air hole, ~~and~~ which ~~pastes up to fixes on~~ the straw base to prevent milk from leakage, ~~and so that the~~ outer air is guided into the bottle through the air guiding trench and the air hole ~~to equivalent equalizes~~ the air pressure outside to the one inside.

Still another object of the present invention is to provide a soft straw with a head, which can touch any milk in the bottle.

To achieve the above objects, a straw set with a ventilating structure ~~of the present invention mainly includes a nipple with a sucking part and a drawing hole that is connected to a circular base, upper surface of the circular base having with a first circular air guiding trench, a first and air hole passed that passes through, the upper surface and the bottom surface of the circular base, and a chamber located in the bottom surface of the circular base and having the circular base, and a chamber with two expanding axles attached underneath the circular base. a Below the circular base, the straw base having has a first an inner circular wall to fix fixed to the~~

bottom of the nipple bottom, a first outer ~~circle~~ circular wall fixed to the bottom surface of the circular base, a second circular air guiding trench concaved between the inner ~~circle~~ circular wall and the outer ~~circle~~ circular walls, and a solid hollow pipe protruding downwards below the straw base.[:] The straw base is supported below by ~~and~~ a soft plastic ~~circle~~ circular base having a base to support the straw base, ~~with~~ a through hole at the center of the base, a second outer ~~circle~~ circular wall expanded upward from the edge of the soft plastic circular base to close to fix upon the first outer ~~circle~~ circular wall, a another air guiding trench expanded downward from the edge of the second outer ~~circle~~ circular wall, a second air hole located at the base bottom side of the air guiding trench, ~~and the second air hole passed~~ that passes through the upper surface and the bottom surface of the soft plastic circular base.

BRIEF DESCRIPTION OF THE DRAWINGS

The structure and the technical means adopted by the present invention to achieve the above and other objects can be best understood by referring to the following detailed description of the preferred embodiments and the accompanying drawings, wherein

Fig. 1 is an exploded perspective view of a straw set with a ventilating structure according to the present invention;

Fig. 2 is another exploded perspective view of a straw set with a ventilating structure of Fig. 1;

Fig. 3 is an assembled perspective cross-sectional view of the straw set with a ventilating structure of Fig. 1.

Fig. 4 is a perspective cross-sectional view of an embodiment of Fig. 1.

DETAILED DESCRIPTION OF THE PREFERRED EMBODIMENTS

Referring to Fig. 1, ~~illustrated~~ an exploded perspective view of the present invention is illustrated. A straw set with a ventilating structure is mainly assembled by a nipple 10, a straw base 20, a soft plastic ~~circle~~ circular base 30, and a soft straw 40. The nipple 10 is primarily

divided into a circular base 12 and a sucking part 18 with a drawing hole 182; the straw base 20 is primarily divided into ~~a~~ an inner circular wall 22, a first outer ~~circle~~ circular wall 24, a second circular air guiding trench 26, and a solid hollow pipe 28; the soft plastic ~~circle~~ circular base 30 is primarily divided into a ~~through~~ hole 302, a second outer ~~circle~~ circular wall 32, ~~a~~ an air guiding trench 34, a second air hole 36, and ~~a~~ base the bottom 38 of the soft plastic circular base; the soft straw 40 further includes a head 42.

The circular base 12 includes a first circular air guiding trench 122, a first air hole 14, and a chamber 16. The first circular air guiding trench 122 is posited on the upper surface of the circular base 12. The first air hole 14 ~~is passing~~ passes through the ~~upper surface and the lower surface of the~~ circular base 12. The chamber 16 located ~~in~~ on the bottom surface of the circular base 12 ~~and having~~ has two expanding axles 162 ~~expand under the bottom surface~~. The sucking part 18 is connected with the circular base 12, and a drawing hole 182 is located at the center of the sucking part 18.

The inner circular wall 22 is located on the straw base 20. The first outer ~~circle~~ circular wall 24 is located at the edge of the straw base 20. The solid hollow pipe 18 28 is located at the center of the straw base 20. The second circular air guiding trench 26 is concaved between the inner circular wall 22 and the first outer ~~circle~~ circular wall 24.

The ~~through~~ hole 302 is at the center of the soft plastic ~~circle~~ circular base 30. The second outer ~~circle~~ circular wall 32 is located at the edge of the soft plastic ~~circle~~ circular base 30. The air ~~guide~~ guiding trench 34 ~~is expanded~~ expands downward from the edge of the second outer ~~circle~~ circular wall 32 to the bottom 38 of the soft plastic circular base 38 30. The second air hole 36 ~~is~~ located at the base bottom side of the air guiding trench 34. ~~The soft draw 40 includes a head 42.~~

Referring to Fig. 2 ~~illustrated~~ is the illustration of another exploded perspective view of the present invention. The sucking part 18 of the nipple 10 is placed into the sealing ring 50 with an opening 52, and the circular base 12 ~~is supporting~~ to supports the bottom ~~surface~~ of the cover 54. The straw base 20 ~~is closing~~ attaches to the nipple 10; ~~[,]~~ the inner circular wall 22 ~~is supporting~~ supports the sucking part's 18 ~~bottom~~, bottom of the sucking part 18 of nipple 10; the first outer ~~circle~~ circular wall 24 ~~is closing~~ attaches to the base 12; ~~[,]~~ the bottom dish of the first air hole's hole 14 ~~bottom~~ and the expanding axles 162 are partly displaced ~~on~~ over the first

outer ~~circle~~ circular wall 24 and partly displaced ~~on over~~ the second circular air guiding trench 26. Air ~~entered~~ enters from the first air hole 14 to the chamber 16 through the second circular air guiding trench 26. ~~The through hole~~~~through hole~~ 302 The hollow pipe 28 passes through the hole 302 of the soft plastic ~~circle~~ circular base 30 is ~~passed by the solid pipe~~ 28, and the soft plastic ~~circle~~ circular base 30 is ~~closing attaches~~ to the bottom surface of the straw base 20. The soft straw 40 is ~~wrapped to encloses~~ the solid hollow pipe 28. Then rotating Rotating the assembled straw set then fixes it to the opening of the bottle 60. Because the soft plastic ~~circle~~ circular base 30 is ~~closing attaches~~ tightly to the bottle opening, milk will not flow out from the bottle opening. Fig. 3 is Figures 3 and 4 illustrated illustrate an the assembled perspective cross-sectional view views of the present invention, with Figure 4 also illustrating the air flowing path.

~~Please referring to Fig. 4 illustrated ana~~ perspective view of an embodiment of the present invention. When ~~a~~ an infant sucks milk from the drawing hole 182, the milk flowing flows through the soft straw 40 and the sucking part 18 ~~in the bottle from the drawing hole~~ 182, outer air flows into the first circular air guiding trench 122 through the space between the nipple 10 and the cover 54. [,] This is illustrated by the broken arrows in Figure 4. ~~then the~~ The outer air ~~is~~ is then guided by the first circular air guiding trench 122 into the first air hole 14, then before it flows ~~into~~ through the second circular air guiding trench 26, ~~and flows~~ into the chamber 16 ~~through the second circular air guiding trench 16.~~ Through the channel formed by the expanding axles 162, air flows into the air guiding trench 34, then flows into the bottle 60 through the second air hole 36 to maintain the air pressure in the bottle to a level which can ~~support the pressure keeping sustain~~ sustain a nipple flatten in an upward position by a sucking up force. Adults needn't ~~to~~ pull the nipple 10 out ~~from~~ of the infant's mouth for such air movement to occur. Furthermore, due to the design of the soft plastic circle circular base 36 ~~closed~~³⁶ 30 being closed tightly to the bottle opening, milk will not flow out under the bottle inversion. Due to the design of soft straw 40 with a head 42, a an infant can still suck milk under the bottle inversion, and thus preventing milk residual won't happen.

Therefore, the present invention takes the advantage of the design of the air hole and the air guiding trench to ~~make equalize~~ equalize the air pressures inside the bottle and outside the bottle ~~equal to support a~~ in order to sustain the nipple up in the upwards position to solve the disadvantage of the prior straw set which can not be sucked by a ~~so the infant can drink milk~~ continuously.

Appl. No. 10/697,145
Amdt. dated Oct. 25, 2005
Reply to Office Action of August 31, 2005

Various details of the invention may be changed without departing from its scope. Furthermore, the foregoing description of the preferred embodiments of the invention and the best mode for practicing the invention are provided for the purpose of illustration only and not for the purpose of limitation since the invention being is defined by the claims.

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A straw set with a ventilating structure of the present invention mainly includes a nipple ~~with a sucking part~~ connected to a circular base, ~~upper surface of the circular base having with a~~ first circular air guiding trench, ~~a first and an~~ air hole passed ~~that passes~~ through, ~~the upper~~ surface and ~~the bottom surface of the circular base, and a chamber located in the bottom surface~~ ~~of the circular base and having and a chamber with two axles attached underneath.~~ a Underneath, ~~a straw base having consists of a first an inner circular wall to fix fixed to the nipple bottom, a~~ first an outer circle closed circular wall fixed to the bottom surface of the circular base, ~~a second another~~ circular air guiding trench concaved between the inner circular wall and the outer circle circular walls, and a solid hollow pipe protruding downwards below the straw base.[:] The straw base is supported by ~~and a soft plastic circle circular base having a base to support the straw base,~~ ~~with a through hole at the center of the base, a second outer circle circular wall expanded upward from the edge of the base to close to fix upon the first outer circle circular wall, a air guiding trench expanded downward from the edge of the second outer circle circular wall, a second and another air hole located at the base side of the air guiding trench, and the second air hole passed that passes~~ through the upper surface and the bottom surface of the soft plastic circular base.